

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	630596	dynamic\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L2	463791	real	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L3	6519481	time\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L4	1210679	variable\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L5	2966577	modif\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L6	2901028	adjust\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L7	3491607	field\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L8	3426700	valu\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L9	263890	(L2 adj L3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12

L10	133316	real-time\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L11	263893	L9 L10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L12	37033	L4 and L5 and L6 and L7 and L8 and L11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:14
L13	21900	"715"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L14	6619	"706"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L15	28294	L13 xor L14 L13 and L14	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L16	1310	L12 and L15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L17	965	1 and L16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:12
L18	0	L4 same L5 same L6 same L7 same L8 same L11 same 1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:16
L19	132474	5 same 6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:16

L20	72786	4 same 7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:16
L21	18664	1 same 11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:17
L22	245	19 and 20 and 21 and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:17
L23	20	22 and 15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:17
L24	14	23 and @ad<="20011120"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 12:18

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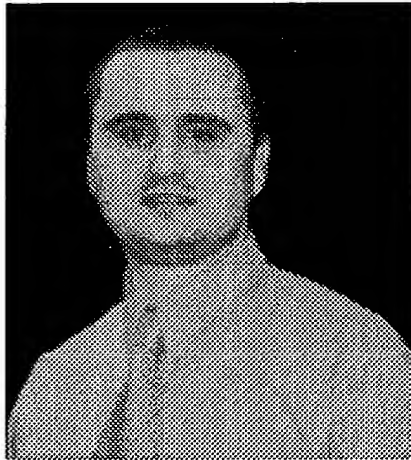
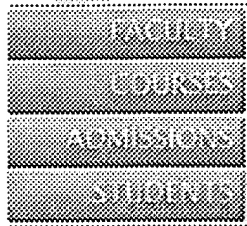
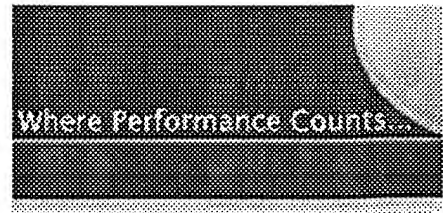
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Author/Editor:	Mihail E. Tudoreanu, Eileen Kraemer
Journal/Book Title:	Technical Report
Article Title:	Legends as a Device for Interacting with Visualizations
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Issue Number:	Series Number: Year of Publication: 2001
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Resume, Research and Teaching Statements:

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Virtual Reality Center:

- Includes a SGI RAVE virtual reality environment and an [Acc Grid](#) connection
- Schedule events using the [web calendar](#)

Education:

- D.Sc., Computer Science, August 2002, Washington University
St. Louis
- M.S., Computer Science, May 1999, Washington University
St. Louis

Romania

Research Interests:

- Program and algorithm visualization
- Interactions with visualizations
- Automatic generation of graphical representations
- Monitoring and steering of distributed computations

People I Have Worked with:

- Gruia-Catalin Roman
- Eileen Kraemer
- Delbert Hart
- Part of the Exploratory Visualization Group:
 - <http://www.cs.wustl.edu/mobilab/QueryVis.html>
 - <http://jerry.cs.uga.edu/qbv/>

Publications:

- **Reshapeable Visualization**, M. E. Tudoreanu, D. Hart, G-C Roman, *In Proceedings of IEEE Multimedia Software Engineering*, p.245–250, Taipei, Taiwan, December 2000. (ps)
(pdf)
- **Automatic Presentation of Running Programs**, M. E. Tudoreanu, E. Kraemer. *In Proceedings of SPIE 2001 Conference on Visual Data Exploration and Analysis VII*, p.143–155, San Jose, Ca, January 2001. (ps)
(pdf)
- **Mobile Agents for Monitoring Distributed Systems**, D. Hart, M. E. Tudoreanu, E. Kraemer. *In Proceedings of the Fifth International Conference on Autonomous Agents*, p.232–233, Montreal, Canada, May 2001. (ps)
(pdf)

- **Token Finding Using Mobile Agents**, D. Hart, M. E. Tudoreanu, E. Kraemer. *In Proceedings of the International Conference of Computational Science*, vol. 2, p.791–800, San Francisco, CA, May 2001. ([ps](#)) ([pdf](#))
- **Why Johnny Won't Visualize**, E. Kraemer, M. E. Tudoreanu, A. Taylor. *Workshop on Software Visualization at ICSE 2001*, Toronto, Canada, May 2001. ([ps](#)) ([pdf](#))
- **Visualization Channels: Time Multiplexing on a Display**, D. Hart, M. E. Tudoreanu. *In Proceedings of IASTED International Conference on Visualization, Imaging and Image Processing*, p.95–100, Marbella, Spain, September 2001. ([pdf](#))
- **Legends as a Device for Interacting with Visualizations**, M. E. Tudoreanu, E. Kraemer. Technical report WUCS-01-44, Washington University, Department of Computer Science, St. Louis, MO 2001. ([pdf](#))
- **Empirical Evidence that Algorithm Animation Promotes Understanding of Distributed Algorithms**, M. E. Tudoreanu, R. Wu, A. Hamilton-Taylor, E. Kraemer. *In Proceedings of IEEE Human Centric Computing Languages and Environments HCC'02*, September 2002, Arlington, VA, September 2002. ([pdf](#))

In Preparation:

- **A Study of the Performance of Steering Tasks under Spatial Transformation of Input**, M. E. Tudoreanu, E. Kraemer. *To be submitted to ACM Transactions on Human Computer Interactions.*
- **Designing Effective Visualization Tools for Reducing User's Cognitive Effort**, M. E. Tudoreanu. *In submission to SoftVis 2003n*, 2002. Two videos accompany this paper: demonstration of how a visualization can be constructed through direct interaction, and a demonstration of interactive legends.(pdf)

Doctoral Dissertation:

- **Economy of Interaction in Program Visualization: Designing Effective Visualization Tools for Reducing User's Cognitive Effort**, Advisors G. C. Roman and E. Kraemer. Washington University in St. Louis. Also available as the technical report WUCS-02-30, 2002. (pdf)

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Visualizations

green Kraemer

of Computer Science

University of Georgia

Athens, GA 30606

sensation, invoking a compiler, and
picture to check the result. Instead,
visualization itself produces an
change that can then be reversed,
modified, a style of interaction is
and exploration tasks. Legend
ated with other tools that facilitate
zations, like Visage[2], a system
ation of data across multiple

g with the data set they represent,
the user with an appropriate set of
the current state. Animation

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L9	133316	real-time\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 08:40

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L11	37033	3 and 4 and 5 and 6 and 7 and 10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 08:40
L12	21900	"715"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/18 08:43
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